

## AMENDMENTS TO THE SPECIFICATION

The paragraph beginning at page 4, line 6 has been amended as follows:

In accordance with further aspects of this invention, a computer-readable medium having computer-executable instructions for performing a method for matching communicable nodes in a dynamic, decentralized computing environment, ~~[[the]]~~ a protocol comprises inviting nodes to communicate to find a match. The protocol further comprises discovering matching availability of nodes by sending availability messages. The protocol yet further comprises forming a match where upon sending another availability message from a first node to a second node, the second node responds with an answer selected from a group consisting of an availability message and a yes message.

The paragraph beginning at page 14, line 1, has been amended as follows:

From terminal E3, the method 400 proceeds to decision block 464 where a test is made to determine whether the edge is already known to the second node. If the answer to the test at decision block 464 is ~~[[NO]]~~ YES, the method 400 proceeds to another continuation terminal ("terminal E6"). Otherwise, the answer to the test at decision block 464 is ~~[[YES]]~~ NO, and the method 400 gets the length of a neighbor's array (which contains a number of edges) of the second node. See block 466. Next, at block 468, the length is assigned to a variable index. The method 400 then continues to another continuation terminal ("terminal E5").